

VEHICLE ALIGNMENT MEASUREMENT APPARATUS AND METHOD

ABSTRACT

A vehicle alignment measurement apparatus includes a first reference member
5 removably mountable on a kingpin of a trailer and a second reference member removably
mountable on selected ones of the trailer frame rails typically used to lock a movable slider
having front and rear axles in place beneath the trailer. A third reference member is removably
mountable on selected ones of wheels mounted on the axles. A distance between the first
reference member and the second reference member, which is perpendicular to the rail, is
10 measured to determine the alignment of the frame rails relative to the kingpin. A distance
between the first reference member and the third reference member, which is aligned with the
axle centerline, is measured to determine the alignment of the front axle relative to the kingpin.
A pair of the third reference members can be used to align the rear axle to the front axle.